RS AQUA

PORPOISE

Single channel underwater acoustic monitoring

Compact and intelligent underwater acoustics – capturing the most detailed underwater soundscapes ever recorded.

The Porpoise underwater noise recording and signal processing system has taken all the processing power and real-time data streaming capabilities of the multichannel Orca acoustic recorder and compressed that into a compact and streamlined single-channel package.

With highly configurable sampling rates, gain control, hydrophone settings, intelligent on/off scheduling and real-time data processing. Porpoise is truly the smartest single-channel PAM system available.

Key Features

- Up to 4TB internal SD recording
- Real time streaming audio and spectrograms
- Low power
- Internal & external battery options

Technical Specifications

POWER	Internal Power: 12 x AAA cells (user replaceable)
	External Power: 6.5V – 26V
ACOUSTIC	Analogue bandwidth: 160 kHz
	ADC: 24 Bits Sigma Delta
	Dynamic Range: 110 dB (full bandwidth)
	Configurable Gain: 0dB – 45dB
	Maximum Sensitivity: -165dB Re 1 V/µPa
	Sampling rates supported: 2 kHz to 384 kHz
	Software controlled high pass filter
MEMORY	Up to 4TB internal removable SD card storage
	Configurable recording, schedule and duty cycling
DIMENSIONS	7cm diameter x 23.2cm length, 1.34kg
COMMUNICATIONS	Real Time Ethernet Streaming of spectrograms, live audio, configuration and data download
ENVIRONMENTAL	Depth rating: 500m standard, 2000m available
	Operating temperature: -10c to +50c
EXTERNAL INTEGRATION	GPS Input for PPS time synchronisation
	Long range real-time streaming over WiFi via surface float

*Specifications subject to change without notice.

TRAC Software

TRAC software is a real-time configuration, analysis and display software designed for use with Porpoise. TRAC presents digital multichannel acoustic data including real time spectrograms, third octave plots with percentiles, and live real time audio.

TRAC is a free application.